F220 integra Manual:Layout 2 26/5/11 12:50 Page 1

INTEGRA

CCTV Monitor with integrated DVR

USER MANUAL FOR
INTEGRA 4 / INTEGRA 8

esp

www.espuk.com

CAUTION

RISK OF ELECTRIC SHOCK, PLease DO NOT REMOVE COVER WHEN POWER CONNECTED. NO USER SERVICEABLE PARTS INSIDE.

REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

WARNING

TO PREVENT FIRE OR ELECTRIC SHOCK HAZARD, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.

NOTE: This equipment has been tested and found to comply with the limits for a Class "A" digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications.

FCC Caution: To assure continued compliance, use only shielded interface cables when connecting to computer or peripheral devices. Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

This Class A digital apparatus meets all the requirements of the FCC Regulations.

Copyright Statement

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What is included

Integra c/w installed hard drive

Installation manual

Remote Control

Installation CD

This quick start manual is intended as a guide to accessing the main features and functionality of the integra. The intuitive menus offer further information and an explanation of the full capability of the system is included on the enclosed CD.

Please get acquainted with the parts and accessories as well as the ways to use the appliance as described in this instruction manuals. If you have any questions that cannot be answered by either the quick start or full user guide, please contact your distributor or ESP directly. Technical support +44 (0) 1527 515145

Getting Started Check-List

Before starting to work with your integra please make sure all relevant connections are carried out correctly.

- Are the power and video in/out cables connected?
- Have you formatted the Hard Drive ?
- Are all cameras connected and powered ?

SAFETY INSTRUCTIONS

- Read these instructions and keep them in a safe place for future reference.
- Please refer all work related to the installation of this product to qualified service personnel or system installers.
- Do not operate the appliance beyond its specified temperature, humidity or power source ratings.
- Place the unit on a flat surface not prone to vibration or impact.
- Use the appliance at temperatures between 0oC ~ +45oC (32oF ~ 113oF) and humidity below 85%.
- The input power source for this appliance is between 90 ~ 264 VAC, 47 ~ 63 Hz.
- Install the unit away from heat sources such as radiators, heat registers and stoves. Installation of the unit near consumer electronics devices, such as stereo receiver/amplifiers and televisions, is permitted as long as the air surrounding the terminal does not exceed the above mentioned temperature range.
- Handle hard disk drives with care.
- It is possible to damage hard drives if they are moved while their motors are still running. To allow the hard drive to spin down and park its heads, wait at least 10 seconds after disconnecting power before moving the unit.
- To avoid shock and vibration damage to the internal hard drive, do not move the unit while it is plugged in.
- Do not place the unit in an enclosed area where the cooling vents are blocked or impede the flow of air through the ventilation openings.
- Protect the power cord from being stepped on or pinched particularly at plugs and the points where they exit from the apparatus.
- Do not drop metallic parts through slots. This could permanently damage the appliance. Turn the power off immediately and contact qualified service personnel for service.
- Handle the appliance with care. Do not drop or shake, as this may damage the device.
- Do not expose the appliance to water or moisture, nor try to operate it in wet areas. Do not install the unit in an area where condensation occurs. Do not operate with wet hands. Take immediate action if the appliance becomes wet. Turn the power off and refer servicing to qualified service personnel. Moisture may damage the appliance and also cause electric shock.
- Do not use strong or abrasive detergents when cleaning the appliance body. When the dirt is hard to remove, use a mild detergent and wipe gently.
- Do not overload outlets and extension cords as this may result in a risk of fire or electric shock.
- Please make a note of your settings and save them. This will help when you are required to change the system configuration, or when an unexpected failure or trouble occurs.

Caring for the environment by recycling

When you see this symbol on a product, do not dispose of the product with residential or commercial waste.

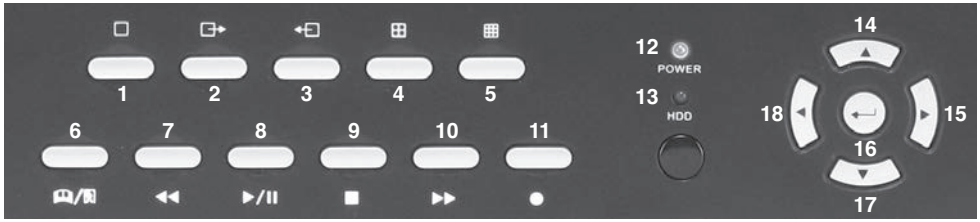
Recycling your Electrical Equipment

Please do not dispose of this product with your residential or commercial waste. Some countries or regions, such as the European Union, have set up systems to collect and recycle electrical and electronic waste items. Contact your local authorities for information about practices established for your region.

Controls

LCD MONITOR CONTROLS

Function	Description
POWER	Independent power switch for the monitor. Press the button for over 3 seconds to turn off. DVR power not effected
MENU/ENTER	Press the button to enter monitor menu settings
RIGHT/+	Move the prompt of the parameters on the screen or increase value.
LEFT/-	Move the prompt of the parameters on the screen or reduce value.
AUTO/ESC	Press the key to exit monitor menu settings



FRONT PANEL

1-5 – Select video channels to display on live monitor between individual channels or quad display.
14, 15, 16, 17, 18 – Use arrow buttons to move among the menu items. Press Enter (↵) to confirm your choice. On live view the (↵) button is used as PTZ control key.
12, 13 Power LED (Blue) HDD LED (Red) – Confirms connection to the power supply and the HDD.
6 Menu – Access tool bar/Hide tool bar/Exit menu/Exit sub menu.
7 Rewind ◄◄ – Rewind video during playback.
8 Play/Pause ▶/II Opens video search and playback menu. When the playback mode is activated, press this button to play/pause playback.
9 Stop ■ – Stop playback.
10 Fast Forward ►► – Fast forward video during playback.
11 REC ● – Start or Stop manual recording

REMOTE CONTROL

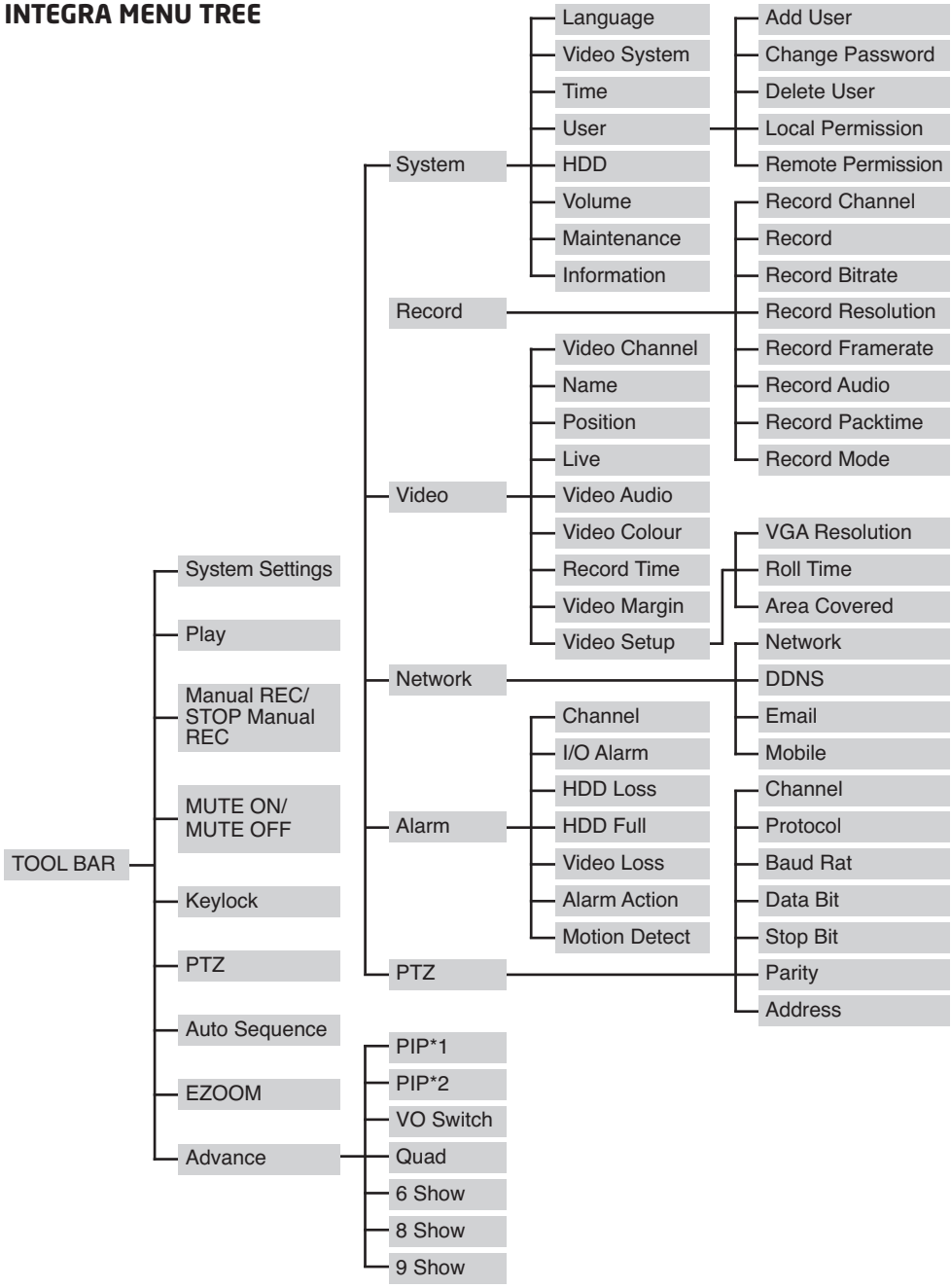
In device operation, the enter key on the remote control or the front panel has the same function as a mouse left click. The IR Range of the remote control is up to 10 meters. The buttons on the remote control correspond 1-1 with the buttons on the front panel.

1 REC Start or Stop manual recording.
2 Numerical Button Use to select channel for live full screen display
3 Quad Switch to quad mode
4 Menu (MENU/ESC) Displays/exits the main menu.
5 Lock If the password is enabled, press to logout of the system.
6 Mute ON/Mute Off Turn on or turn off sound.
7 Spot View Press to enable auto sequencing.
8, 9, 10, 11 Move selected item in menu.
12 ENTER This button is used as the “enter” key in most functions or to access PTZ mode on live view
13 Play/Pause Opens video search and playback menu. When the playback mode is activated, press this button to play/pause playback.
14 Stop Stop playback
15 Rewind Rewind video during playback.
16 Fast Forward Fast forward video during playback

BACK PANEL

1/2	**Video Input/output Connectors** 4 channel video input BNC (1Vp-p, 75Ω) plus single video output for integra 4, 8 channel video input BNC (1Vp-p, 75Ω) plus single video output for integra 8. All inputs/outputs via supplied multi channel converter
3	**Audio Input / Output Connectors** 4 channel audio input / 1 channel output, RCA (2Vp-p, 600Ω) for integra 4, 8 channel audio input / 1 channel output, RCA (2Vp-p, 600Ω) for integra 8,
4	**Alarm Input / output** **(ALARM IN 1-4, 5-6 Ground)** For connection to external sensor devices **(ALARM OUT 7-8)** For connecting to external alarm devices **(PTZ 9-12)RS-422 / RS-485 Connector** For connecting PTZ camera control
5	**Ethernet Connector** RJ-45 10/100 Base-T Ethernet network
6	**USB ports** Connection for mouse (Rear) and backup stick (side)
7	**Power Input Socket (12V DC)**
8	**Power Switch**

INTEGRA MENU TREE



Getting Started and the Main Screen

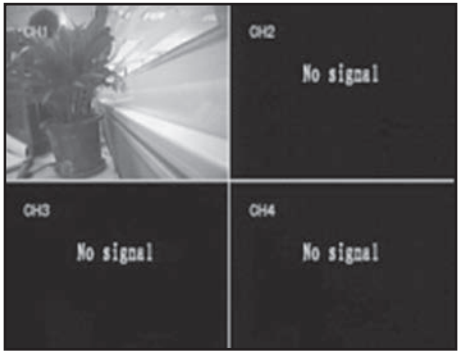
IMPORTANT - FORMATTING HARD DISK DRIVE

Before you can record onto your HDD it should be formatted by integra as standard PC formatting is not compatible. To format the HDD enter the main menu - system settings - HDD - Format HDD. The format process can take several minutes.

Switch on your DVR and wait for the system program to load. If you have not yet formatted the installed hard disk drive , or the integra didn't read the HDD, or there is no space of the HDD to record, it will display an icon " " in the video preview interface. You must format the HDD in the DVR before first use. Please see above.

THE MAIN SCREEN

The standard layout is four or nine windows ,depending on the model ,evenly distributed over the screen. From the main screen you can access menu options and switch among channel views, displaying either all channel feeds simultaneously or a full-screen view of a selected channel.



Integra 4

integra 8

DISPLAYING A SINGLE CHANNEL

In the multiple screen view, you can make a particular window active by left-clicking on it once with a mouse, or navigating to it using directional buttons. If an audio output device is connected to this channel, you can monitor both audio and video feeds.

In order to return to the multi-screen view you could either double-click on the screen again or press the single/multiple view button either on the remote control or the front panel.

STATUS BAR

To display the Status Bar single right-click on the screen. The status bar displays useful information such as time and date settings plus available hard disk space.

System time

Approximate Remaining Hours of HDD recording

Right click again to move on to the main menu bar or right click twice to return to main live view.

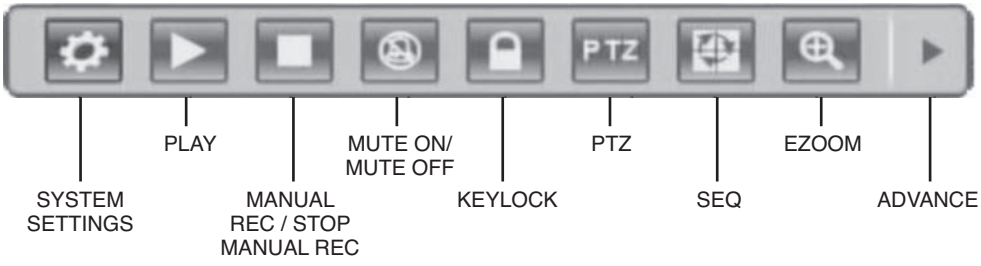
LOGIN SCREEN (WHEN PASSWORD ACCESS IS ENABLED)

In live view, press the button "/" twice or double-click twice the right mouse key. The login window will appear if password access is enabled. Select user name and user password via numeric key-board to access the main menu.

The default password for the main administration user is "Admin" and the password is "888888". For system security you can change the password of admin and add other usernames with passwords that can have allocated restricted user rights.

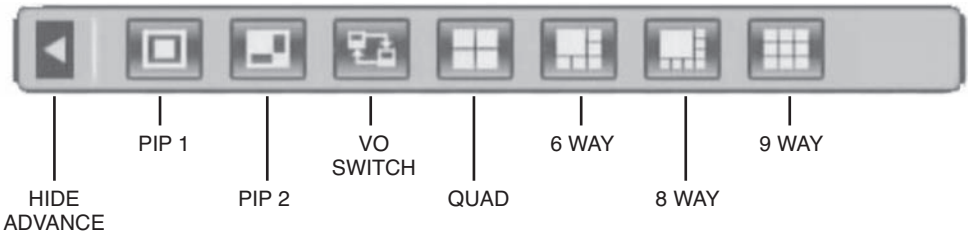
NB . Passwords are case sensitive.

MAIN MENU (INTEGRA 8 SHOWN IN EXAMPLE)



	System configuration
	Search, playback and backup of recorded files
	MANUAL REC/STOP MANUAL REC: Click the [MANUAL REC] button to start manual recording. Click [STOP MANUAL REC] menu or press [n] button to stop manual recording.
	KEYLOCK: If the password is enabled, click "KEYLCK" to logout the system.
PTZ	**PTZ:** Enters PTZ control.
	AUTO SEQUENCE: Click to enable auto sequencing, the channels with images will be displayed in sequence . Channels without images or with sequence display disabled won't display. To interrupt auto sequencing, press any button or click the mouse while in auto sequence mode.
	EZOOM: Click "EZOOM" to enter into zoom mode, and then click left key and drag to select the area that you want to magnify. Right click to exit.

Click the right arrow "ADVANCE" button to display the advanced display functions depending on model.



SYSTEM SETTINGS

Contains settings for most general system configurations such as recording , Video display , network, alarm and PTZ .

Note: In order to validate sub-menu settings it is important to select ✓ to confirm actions. Failure to select ✓ before exiting will mean changes have not been stored.

Note: The green arrow shown on many sub-menu screens will return settings on that screen to factory default . Do note use the green arrow to exit the screen . To exit the screen after saving parameters click the cross in the top right hand corner.

Recording

There are three ways of recording live video .Manual recording, scheduled recording and motion recording.

Manual recording

Simply select manual record from the main menu bar or the remote control or front panel. If the recording schedule is in conflict with manual recording, the manual recording will be processed first until stopped.

Scheduled recording

Within system settings in the main menu select record then record mode . Select schedule then left click on the arrows below to display the record schedule set up screen. The record schedule can be set up by channel , day and time and either normal or alarm / motion recording.

Motion recording

Within system settings in the main menu select alarm then select motion . Each channel can be configured separately for motion on , sensitivity , motion detection area and activity upon trigger . Remember to select the tick (save parameter) after configuring all channels or settings will be lost.

Recording status display

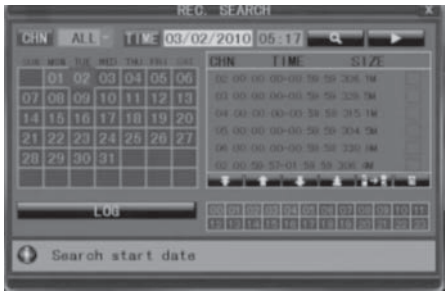
The top right corner of each channel image features the following status icons:

Icon indicates that the channel has detected motion in the motion detection mode.

Icon indicates that the channel has detected sensor alarm in the alarm mode.

Red dot indicates that the channel is running in the mode of recording.

Playback



To play back recordings select play from the main menu or press the play button on the front panel or remote control to access the record search playback screen.

There are various methods of searching for recordings.

Playback by specific date

Input the time and date of the desired viewing period checking date and time, and click the "play" icon. It is possible to select all channel or single channel playback.

Playback by calendar

Input the desired approximate search date and click the search icon to see the recording status on this date.

There are five channel options: CH1, CH2, CH3, CH4 and ALL. Press【Enter】and you can change the channel to be displayed on file listing.

Recordings for the relevant month will be shown in the calendar block. Recording status for each day will be displayed .Green normal recording, Red alarm recording and Grey no recording. Click any date to search the recording status of that day. Select any period within the day to begin playback.

Playback by file list

Input the approximate searching date and click "search" to view the recording status. Choose an entry within the file listing to play back

Playback by log

LOG SEARCH
LOG TYPE ALL
START TIME 03/02/2010
END TIME 03/02/2010
Type Info Time Point Record
Alarm Loss 03/02/10 18:01:25
Alarm Motion 03/02/10 18:01:57 Yes
Alarm Motion 03/02/10 18:02:00 Yes
Exec Save 03/02/10 18:02:42
Alarm Motion 03/02/10 18:02:42 No
Alarm Motion 03/02/10 00:00:00 Yes

Select log search from the record search menu. Select a log type and start and end time then select the search icon to display the log of recorded files. Use the up and down arrows to search through the log

Push "Search" button after the setting of log time and type, and the system will display the required log in the list. Click , , , and to switch page, and click to save the log list to USB disk.

PLAYBACK CONTROL

In the playback mode you can see the playback control panel as well as the date and time of the played file.

	Fast rewind, the available speeds are 2x, 4x, 8x, 16x, 32x and 64x.
	Slow forward, the available speeds are 1/2x, 1/4x and 1/8x.
	Play
	Pause/Frame-by-frame view
	Fast forward, the available speeds are 2x, 4x, 8x, 16x, 32x and 64x.
	Ezoom: Right click to enter zoom mode. In zoom mode left click and drag to create a zoom area. Right click to exit.
	Audio volume adjustment.

Video Backup

Storing captured recoding on a USB stick is done through the playback menu.

a) Insert a USB stick into the USB port on the right hand side of integra.

b) Search for files to be recorded

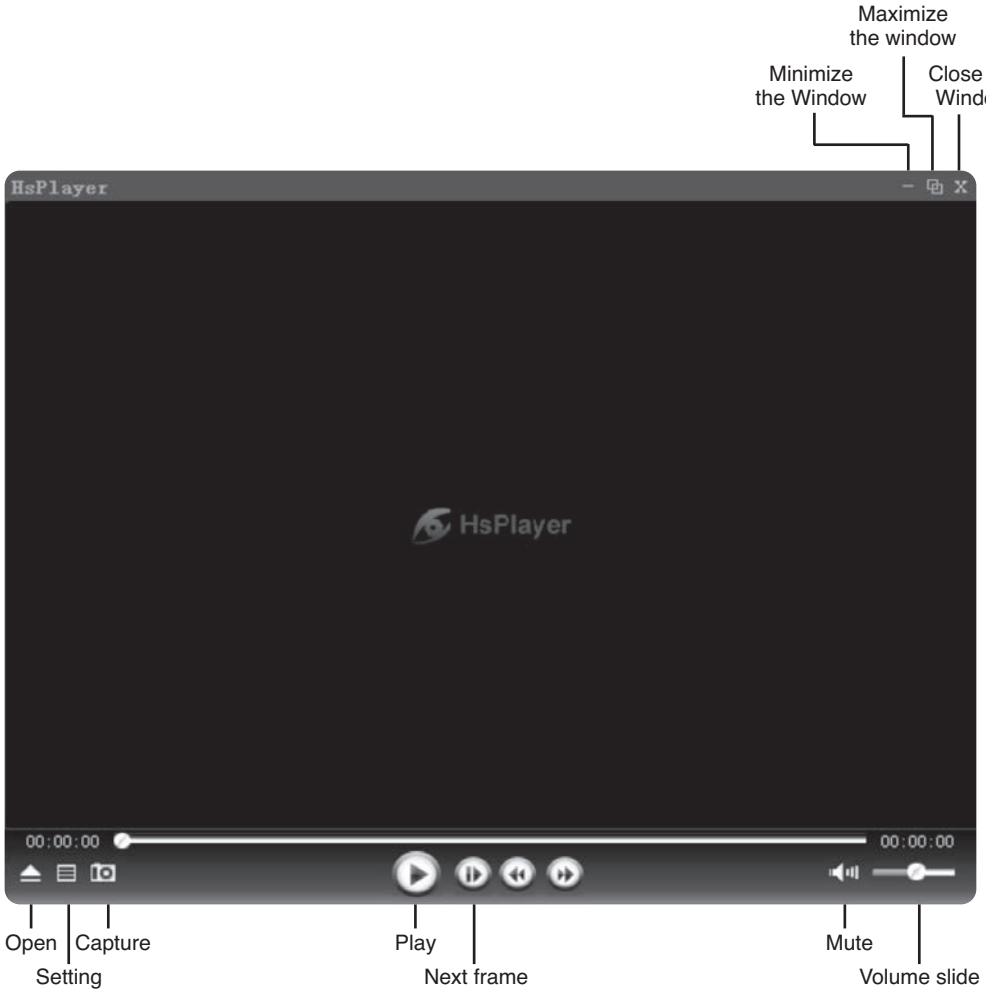
c) Select the files for backup from the file listing box on the right hand side of the record search screen by selecting the tick box next to each required file.

d) Select the back up icon located at the far right hand side of the menu bar below the file listings to start back up

Integra only supports the FAT32 file system for USB flash drives and HDDs

PLAYING BACKED UP VIDEO ON A PC

To play back stored recorded files from a USB stick to a PC you will need to firstly install the HSplayer program from the enclosed CD. Place the CD in your PCs CD drive. Within the drive directory locate the folder marked "Player". Within the folder locate the file marked HSplayer . Copy , send or drag this application to your selected folder or desktop. Double click the HSplayer icon in your selected location to open the player screen.



Click to open a file to play from your USB stick.

You can capture and store still images from the file being viewed by left clicking the capture icon at any time . Before capturing stills set the storage path in the settings menu to store the images in the desired folder on your PC.

Remote viewing

Remote viewing and control of integra is possible via local network , remote PC or most 3G mobile phones .Before attempting any remote connections the integra must first be set up on a local connection to the internet.

NETWORK SETUP

Select network from the system setting menu and then select network again from the sub menu.

UPNP: Universal plug and play. If your router supports UPNP turn this function on to allow integra to automatically map its port to get a mapped IP address. If your router does not support UPNP you should select UPNP off and manually enter the settings.

TYPE: Select here the network connection type DHCP, PPPOE or Static

MEDIA PORT: Transfers video data between client and device.

WEB PORT: Sets up the port of IE browser via HTTP. Default: 80. If the web port is changed the new port No. should be added behind IP, http://192.168.15.145:8088

SETUP PORT: This port is fixed and you can't modify it, the value is 8000.

DNS: input IP address for the net domain name sever,

Static IP address set up

IP ADDRESS: input IP ADDRESS of the integra connection.
The format of the input is xxx.xxx.xxx.xxx . If the IP address has only two numbers x 3 plus three numbers enter 0 (zero) before each set of two numbers. ie 0xx.0xx.0xx.xxx

SUBNET MASK: input the subnet mask of the integra connection

GATEWAY: input the gateway number of the integra connection

PPPOE SETUP

Select PPPOE from type menu

Media port : Enter media port . Default 9000

WeB port : Enter HTTP port . Default 80

PPPOE User : Enter user name supplied by ISP supplier

PPPOE password : Enter PPPOE password supplied by ISP supplier

DDNS SETUP

From the main network menu select DDNS

Select DDNS on

Select the DDNS server from three options

3322

DYNDNS

Perfecteyes

HOST NAME: Input the name of the host server.

USER NAME: Input the name of the user.

PASSWORD: Input the password.

EMAIL SETUP

Images created by alarm events can be sent via e-mail directly from integra. To send e-mail settings must be configured within e-mail in the main network menu and e-mail must be selected as an action following an alarm event with the alarm setup.

SSL: SSL is a security link transport protocol. You can encrypt your communication info using SSL to prevent hackers from monitoring your email and communication data. This function is not available when using Gmail as a mail server.

Interval: This indicates the interval for sending email, including 5s - 3m

SMTP Port: enter the sender port of the SMTP server. Generally the SMTP port value is 25, but there are exceptions, for example, the SMTP port of the G-mail server should be 465.

SMTP: enter the server IP address

Sender: enter the sender's email address. The email address should be associated with the SMTP server used.

Receiver: enter the intended receiver's email address.

MOBILE PHONE REMOTE MONITORING

Mobile remote viewing directly from integra can be set up with many 3G enabled mobile phones . To enjoy this function the integra must be first connected and setup correctly with the internet . Please see network set up options above .

Move the cursor to【MOBLE SETUP】(the icon will be highlighted when selected), and press【Enter】to enter into the setting interface.

SERVER PORT : Enter a server port number between 1024 and 65535 default setting is 10510

NETWORK TYPE: Enter the mobile network capability .

Note: You can only see one channel at one time when viewing from a mobile phone. The speed of the display depends on the speed of the internet connection.

Web Browser Operation

FEATURE

Install the software through the IE browser of OS to operate the network remotely and conveniently. DVR supports C/S, B/S, and access in LAN and WAN. It also supports IP and domain name visiting.

RESTRICTION CONDITION

To ensure a stable connection we recommend Windows XP or Windows Vista operation system, and IE 6.0 or IE 7.0 browsers.

NETWORK SECURITY SETTING

Prior to control installation, please program the network security level by using the following operations:

(1) Open the IE browser and click [Tools→ Internet Options].

(2) Choose the "Security" label in the dialogue box.

(3) Click "Customization level" to enter into the security setting.

To set the ActiveX control and plug-ins. Select the following options

√ ActiveX control auto-prompting

√ Run the script of the ActiveX control which is marked to be that can safely implement the script.

√ Implement initialization and run the script of the ActiveX control which is not marked to be that can safely implement the script.

√ Binary system and the script behavior

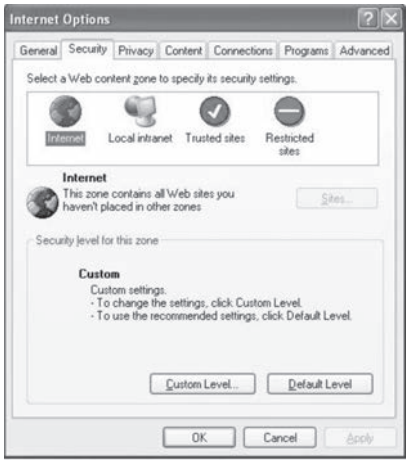
√ Download the unsigned ActiveX control

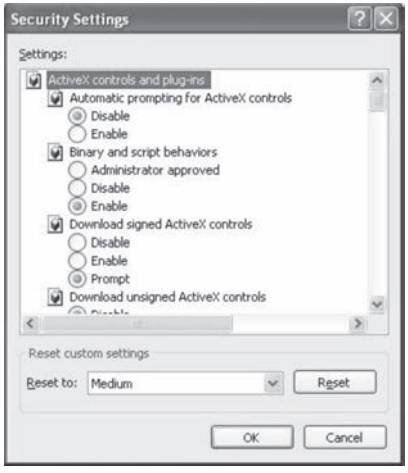
√ Download the signed ActiveX control

√ Perform the ActiveX control and pluggable unit

It's extremely importation to "enable" the items above.

Prompt: Before control installation, please turn off any fire wall and anti-virus software.





CONNECTION SETTING

The remote access for integra should be carried out through the network. In the local area network connection, the IP address of the client computer must be in the same network section with that of the integra. When using a wide area network connection, ensure that both client and host can visit the public network, and connect through the IP address or the dynamic domain name. The following will mainly focus on the connecting and setting method for a local area network.

Step 1: Right click on "Network neighborhood" and click "Attribute" to open the "Network connection".

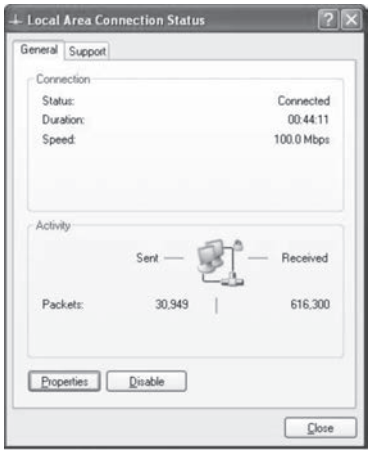
Step 2: Double click to open "Local connection".

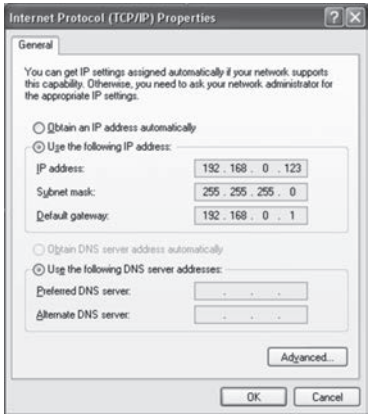
Step 3: Click "Attribute".

Step 4: Double click "Internet protocol (TCP/IP)".

Step 5: Examine the IP address, subnet mask, and default gateway on the PC.

Step 6: Set the corresponding IP address, subnet mask, and default gateway on the DVR (refer to 5.5.5 Network Setup). If the subnet mask and default gateway on DVR are the same with those of the PC, then the IP address must be in the same network section but cannot be the same with the used one. Otherwise, it will cause IP address conflicts. Take the figure above as an example, the IP address should be: 192.168.0.X, wherein, X cannot be 40 or 1 (including other IP addresses currently being used), and cannot surpass 255, the subnet mask is 255.255.255.0, and the gateway is 192.168.0.1.




Internet Protocol (TCP/IP) Properties
General
You can get IP settings assigned automatically if your network supports this capability. Otherwise, you need to ask your network administrator for the appropriate IP settings.
Obtain an IP address automatically
Use the following IP address:
IP address:
192 . 168 . 0 . 123
Subnet mask:
255 . 255 . 255 . 0
Default gateway:
192 . 168 . 0 . 1
Obtain DNS server address automatically
Use the following DNS server addresses:
Preferred DNS server:
Alternate DNS server:
Advanced...
OK
Cancel

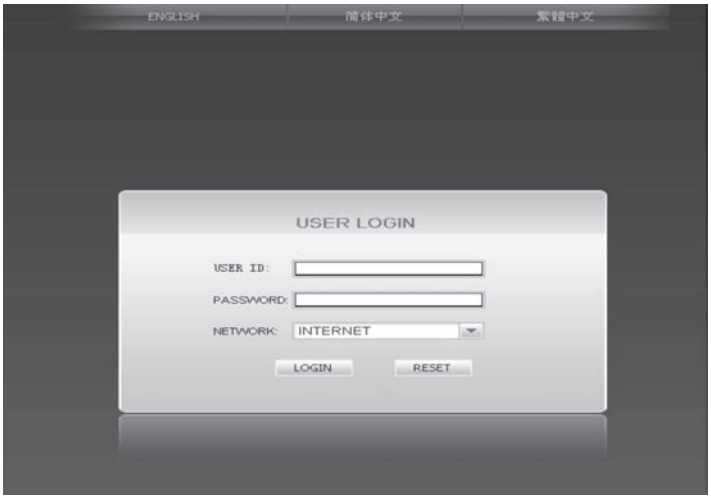
CONTROL DOWNLOAD AND INSTALLATION

After finishing the aforementioned settings, open the IE browser, input http the setting IP address of the integra and confirm. If the http port of DVR setting has been changed (not 80), you must add a colon and port number .

"If your browser does not support the ActiveX to download, please click here", the network will download and install the control automatically.

After connecting to the internet, IE will automatically download the file to PC as follows.

The system will automatically enter the integra user interface as follows.



Select English interface then input the chosen password if enabled.

USER ID: Input user name. The administrator has all authorities, but common users may have limited usage authorities set by the administrator.

PASSWORD: The password is as the same as the password of Device.

NETWORK: LAN/WAN

Note: If you connect the device in WAN, the IP should be a public IP.

OPERATION INTERFACE

Options in the main interface include LIVE, REPLAY, REMOTE SETTING, LOCAL SETTING and LOGOUT. Click any option to access.

LIVE

Click [Live] to enter into the interface as follows.

CONTROL

Move cursor to the icons, which will become highlighted when selected.

Connect all windows or disconnect all windows.

Capture a single image .Default save path is "c:\DVR\BACKUP\".

Quick start recording all channels.

REPLAY

Click "REPLAY" to enter playback mode

Click right of calendar interface and , to set the month for searching; click "REFRESH" at the calendar interface to display the recording information of current month.

The highlighted date indicates that video was recorded on that day. Click on a date to search the recording file list of that day. For example, the above fig shows that June, 12th, 13th have recorded video when it shows on bold, and current search date is June 12th.

Select channel and type at the bottom of the calendar. Click "SEARCH" and the result will display as follows.

Double click one of the listed recorded video to playback. Or select one of the listed recorded video and click the button [PLAY] to playback. The file icon will change to .

DOWNLOAD The user can download files on PC, and save them to HDD for backup or play. Download file format is AVI file.

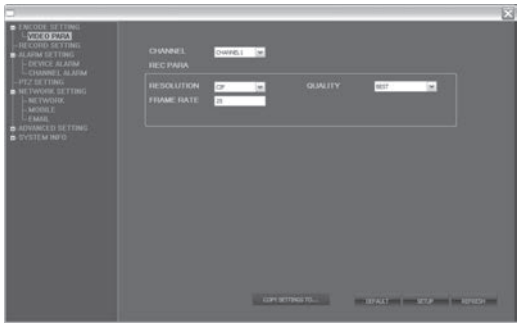
INSTRUCTION OF TOOLBAR

REMOTE SETTING

Click [Remote Setting] to enter into setup interface, this interface includes record, alarm, PTZ, network, advanced and system information six menus.

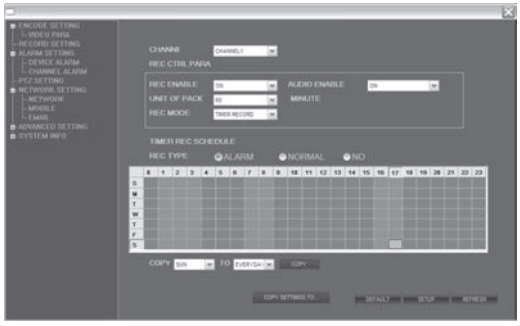
Encode Setting

Click [Encode Setting] - [Video Para] to enter into setup interface. User can adjust recording parameters (resolution, quality and frame rate) for each channel remotely via net-viewer.



Record Setting

Click [Record Setting] to enter into the menu interface, user can select "on/off" for each channel, and adjust recording parameters (audio, pack time, REC mode and REC schedule) remotely via net-viewer.



Alarm Setting

Click [Alarm Setting]-[Device Alarm] to enter into setup interface.

Click [Alarm Setting]-[Channel Alarm] to enter into setup interface. User can set up alarm event types; also can set I/O alarm for each channel, motion detection alarm, motion area, motion sensitivity, alarm out time, buzzer time, pre REC time and post REC time.

PTZ Setting

Click [PTZ Setting] to access setup interface. User can setup PTZ parameters remotely using the same methods as in the local DVR setup.

Network Setting

Click [Network Setting] - [Network] to enter setup interface. The menu allows user to set a lower bandwidth for Internet video transmission.

Click [Network Setting] - [Mobile] to enter setup interface.

Click [Network Setting] - [Email] to enter setup interface.

User can setup network parameters using the same methods as in the local DVR setup.

System Setting

Click [Advanced Setting] - [System Setting] to enter setup interface. The menu allows user to set daylight saving time.

System INFO

Click [System INFO] - [Version INFO] to enter setup interface. Here user can check the device's ID and software version.

Click [System INFO] - [HDD INFO] to enter setup interface. Here user can check HDD state, total size of HDD and free size of HDD.

User Manager

Click [User Manager] - [ADD OR DEL] to enter setup interface. This interface could only been seen by administrator when password is available. Administrator can add new user or delete any user.

Click [User Manager] - [MODIFY PASSWORD OR PRI] to enter setup interface. This interface could only be seen by administrator when password is available. Administrator can change password, local authority and remote authority.

LOCAL SETTING

Click [Local Setting] to enter setup interface. User can setup the save path for local setting. "Record save path" is for recording, "Frame save path" is for capture and "File save path" is for download. Click the button ... to setup save path.

LOGOUT

Click [Logout] to log out of the system.

Mobile Phone Support

A state-of-the-art feature of this DVR device is transmitting live feed from the CCTV cameras to your mobile phone, so that you can have 'on the go' access to your surveillance system from virtually anywhere in the world. Currently, there are a limited number of phones that can support this feature: Windows CE Mobile, Symbian S60 3rd Edition OS, Apple IPhone, Andriod and Blackberry.

APPLE IPHONE 3GS AND 4 AND ANDROID

(Note remote viewing software and installation instructions for remote viewing via Blackberry phones can be found on the enclosed CD)

Mobile viewing on a suitable 3G phone is simple via a bespoke viewing APP developed for integra .Download the Mobileye APP from the relevant APP store directly to your phone.

Launch the APP on your phone then select settings (bottom right hand corner)

Server IP: enter IP address of the integra

Note : If the IP adress entered into the integra network settings is a 0xx.0xx.0xx.xxx format do not enter the zeros.

Port: enter the mobile port of the integra Default 10510.

User name : enter your integra user name

Password : enter your integra password

Note passwords are case sensitive.

Click back to enter control screen.

Click bottom left "play" to connect to integra

In control screen you can select cameras to view.
Operate PTZ and store snapshots

Technical specification

INTEGRA 4

Video Format	PAL
Video Format	H.264 Baseline Compression
Video Input	BNC 4 Input / 1 Output
Audio Format	G.726 8Kx16bit ADPCM Mono
Audio Input	RCA 4 Input / 1 Output
Alarm Type	Motion detection, Sensor Input, Relay Output, Video Loss
Sensor In/Out	4CH Input / 1CH Output
Display Frame Rate	Each Channel PAL 25 FPS, NTSC 30 FPS
LCD Monitor	15" Color LCD, 1024x768, 4:3, 450:1, 150nit, CCFL
Playback Resolution (CH1)	25fps/(CIF) 25fps/(halfD1),12fps/D1
Record Frame Rate	100FPS@CIF100FPS@halfD150FPS@D1
Record method	Power-on Auto Record, Scheduled Record (Manual Record, Motion Detection, Sensor Trigger) Support Privacy Mask
HDD Interface	SATA Interface support 1000GB
Network Protocol	TCP-IP/ DHCP / DNNS / PPPoE / E-Mail
Network Function	IE Browser Live Monitor, Configuration, Download Video Mobile Phone Surveillance
USB 2.0 Interface	Mouse / Portable Mobile HDD/ Flash Drive/ DVD Burner/ Firmware Upgrade
Playback Method	Normal Play, Fast Forward, Rewind, Single Step
Network Interface	RJ45 10M/ 100M Ethernet Auto Detect
PTZ Protocol	PELCO-P, PELCO-D
Video Backup	AVI
Power Adapter	DC 12V Adapter
Power Consumption	10~15W
Operating Temperature	0~+40
Operating Humidity	10%~90% RH
Dimensions	360 x 360 x 160mm (WHD) inc. stand/base

Technical specification

INTEGRA 8

Video Format	PAL
Video Format	H.264 Baseline Compression
Video Input	BNC 8 Input / 1 Output
Audio Format	G.726 8Kx16bit ADPCM Mono
Audio Input	RCA 8 Input / 1 Output
Alarm Type	Motion detection, Sensor Input, Relay Output, Video Loss
Sensor In/Out	4CH Input / 1CH Output
Display Frame Rate	Each Channel PAL 25 FPS, NTSC 30 FPS
LCD Monitor	15" Color LCD, 1024x768, 4:3, 450:1, 150nit, CCFL
Playback Resolution (CH1)	25fps/(CIF) 12.5fps/(halfD1),6.25fps/D1
Record Frame Rate	200FPS@ CIF,100FPS@halfD1,50FPS@D1
Record method	Power-on Auto Record, Scheduled Record (Manual Record, Motion Detection, Sensor Trigger) Support Privacy Mask
HDD Interface	SATA Interface support 1000GB
Network Protocol	TCP-IP/ DHCP / DNNS / PPPoE / E-Mail
Network Function	IE Browser Live Monitor, Configuration, Download Video Mobile Phone Surveillance
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Power Adapter	DC 12V Adapter
Power Consumption	10~15W
Operating Temperature	0~+40
Operating Humidity	10%~90% RH
Dimensions	360 x 360 x 160mm (WHD) inc. stand/base

LIMITATION OF LIABILITY

This users' manual is supplied 'as is', with no warranties, be it expressed or implied, including, but not limited to, the implied warranties of merchantability, suitability for any exact purpose, or non-infringement of any third party's rights.

This publication may include technical inaccuracies or typos. The manufacturer holds the right to introduce any changes to the information contained herein, for any purpose, including but not limited to, improvements of the publications and/or related to the product, at any time, without prior notice.

DISCLAIMER OF WARRANTY

The supplier shall not be liable to any party or any person, except for replacement or reasonable maintenance of this product, for the cases, included but not limited to the following:

Any damage or loss, including but not limited to: direct/indirect, consequential, special, exemplary use arising out of or related to the product;

Inappropriate use or negligence of the user in operation of the product, resulting in personal injury or any damage;

Unauthorized disassembly, repair or modification of the product by the user;

Any problems or consequential inconvenience, loss or damage, caused by connecting this product to devices of the third parties;

Any claim or action for damages, brought by any photogenic subject, be it a person or organization, due to violation of privacy whereby the surveillance picture and/or saved data becomes public or is used for the purpose other than surveillance.

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